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> Title: CN1165828A: Catalyst able to control polymerizing reaction and its application

Catalyst able to control polymerizing reaction and its application

[Derwent Record]

@ Country: **CN** China

> A UNEXAMINED APPLICATION FOR A PATENT FOR INV. 1 Kind:

SHENGKANG YING; China

CHUNPU HU; China

GUANGLOU CHENG; China

HUADONG SCIENCE AND ENGINEERING UNIV. China Assignee:

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Published / **1997-11-26** / 1997-03-13

Application

Filed:

CN1997000106318

Number:

Advanced: C08F 4/10; C08F 12/08;

Core: C08F 4/00; C08F 12/00;

1997-03-13 CN1997000106318

IPC-7: C08F 4/10; C08F 12/08;

FECLA Code:

None

Priority Number:

Abstract:

A catalyst for controllably synthesizing the polymer with predetermined chain structure, terminal functional group, molecular weight and molecular weight distribution is prepared from cuprous halide, orthophenanthroline and its derivatives, and is used for controllable polymerizations of styrene, acrylates, isobutylene and alkylvinylether triggered by halogen-contained compound. Its advantages are easy storage, low cost, simple and feasible polymerizing conditions and adapting different types of triggers.

Legal Status:

Gazette date	Code	Description (remarks)	List all possible codes	
2003-04-02	C02 -	Deemed withdrawal of patent application after publication (patent law 2001)		
2000-05-31	C10	Request of examination as to substance		
1997-11-26	C06 +	Publication	·	

PDF	<u>Publication</u>	Pub. Date	Filed	Title
Ø	CN1165828A	1997-11-26	1997-03-13	Catalyst able to control polymerizing reaction and its application
1 family members shown above				

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Forward References:

Go to Result Set: Forward references (10).

PDF	Patent	Pub.Date	Inventor	Assignee	Title
Ø	<u>US7678869</u>	2010-03-16	Matyjasżewski; Krzysztof	Carnegie Mellon University	Atom or group transfer radical polymerizatior
	<u>US7572874</u>	2009-08-11	Matyjaszewski; Krzysztof	Carnegie Mellon University	Processes based on atom (or group) transfer radical polymerizatior and novel (co)polymers having useful structures and properties
Ø	<u>US6541580</u>	2003-04-01	Matyjaszewski; Krzysztof	Carnegie Mellon University	Atom or group transfer radical polymerization
	<u>US6538091</u>	2003-03-25	Matyjaszewski; Krzysztof	Carnegie Mellon University	Atom or group transfer radical polymerization
a	<u>US6512060</u>	2003-01-28	Matyjaszewski; Krzysztof	Carnegie Mellon University	Atom or group transfer radical polymerization
3	<u>US6407187</u>	2002-06-18	Matyjaszewski; Krzysztof	Carnegie Mellon University	(Co)polymers and a novel polymerization process based on atom (or group) transfer radical polymerization
<u>a</u>	<u>US6288186</u>	2001-09-11	Matyjaszewski; Krzysztof	Carnegie Mellon University	Rate enhancement of nitroxyl radical- mediated polymerization
	<u>US6162882</u>	2000-12-19	Matyjaszewski; Krzysztof	Carnegie Mellon University	Preparation of novel homo-and copolymers using atom transfer radical polymerization
	<u>US6121371</u>	2000-09-19	Matyjaszewski; Krzysztof	Mellon University	Application of atom transfer radical polymerization to

	′ ,			water-borne polymerization systems
<u>US6111022</u>	2000-08-29	Matyjaszewski; Krzysztof	Carnegie- Mellon University	Preparation of novel homo-and copolymers using atom transfer radical polymerization

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